**GENERAL NOTES**

1. Roadway dimensions are representative. Subgrade dimensions and control lines are standard. The details shown on this index do not supersede the details shown in the plans or on Index 120-002 or 000-506.

2. Plastic (P) soils may be placed above the existing water level (at the time of construction) to within 4 feet of the proposed base. It should be placed uniformly in the lower portion of the embankment for some distance along the project rather than full depth for short distances.

3. High Plastic (H) soils excavated within the project limits may be used in embankment construction as indicated in this index. High Plastic soils are not to be used for embankment construction when obtained from outside the project limits.

4. Select (S) soils having an average organic content of more than two and one-half (2.5) percent, or having an individual test value which exceeds four (4) percent, shall not be used in the subgrade portion of the roadbed. Select (S), Plastic (P), or High Plastic (H) soils having an average organic content of more than five (5) percent, or an organic content individual test result which exceeds seven (7) percent, shall not be used in the portion of embankment inside the control line, unless written authorization is provided by the District Geotechnical Engineer. Average organic content shall be determined from the test results from a minimum of three randomly selected samples from each stratum or stockpile of a particular material. Tests shall be performed in accordance with AASHTO T 267 on the portion of a sample passing the No. 4 sieve.

5. Highly organic soils, composed primarily of partially decayed organic matter, often dark brown or black in color with an odor of decay, and sometimes fibrous, shall be designated as muck. Further, any stratum or stockpile of soil which contains percent of highly organic material may be designated as Muck (M). Highly organic soils shall not be used in the subgrade or embankment portion of the roadbed, with the exception of muck used as a supplement to construct a finish soil layer as described in Section 162 of the FDOT Standard Specifications.

**DESIGN NOTES**

1. The designer shall take into consideration the expectancy of roadway widening to the outside, and where widening is anticipated, specify in the plans the location of the future widening control line for utilization of High Plastic (H) soils and/or soils classified as organic material in the embankment.

2. The designer shall take into consideration the position of the drainage swales in the portion of the embankment where Plastic (P) soils, High Plastic (H) soils, or soils classified as organic material would be allowed. The designer shall limit the use of Plastic (P) soils, High Plastic (H) soils, and/or soils classified as organic material to locations that will not inhibit the infiltration of stormwater from the swales.
DIVIDED ROADWAYS

UNDIVIDED ROADWAY

SYMBOL
S = Select
P = Plastic
H = High Plastic
M = Muck

CLASSIFICATION (AASHTO M 145)
A-1, A-2, A-2-4 **
A-2-5, A-2-6, A-2-7, A-4, A-6, A-7 (ALL WITH LL < 50)
A-1, A-3, A-2-4 **
A-2-5, A-2-7, A-5 or A-7 (ALL WITH LL > 50)
A-8

Classification listed left to right in order of preference.

** Certain types of A-2-4 material are likely to retain excess moisture and may be difficult to dry and compact. They should be used in the embankment above the water level existing at time of construction. They may be used in the subgrade portion of the roadway when approved by the District Materials Engineer. A-2-4 material placed below the existing water level must be nonplastic and contain less than 15% passing the No. 200 U.S. Standard sieve.

* For cut sections this dimension may be reduced to 24”; see Index 120-002. For minor collectors and local facilities this dimension may be reduced to 18”.

RIGID PAVEMENT - TREATED PERMEABLE BASE OPTION

1. Concrete pavement is to be placed over 6” of Asphalt Treated Permeable Base (ATPB) or Cement Treated Permeable Base (CTPB) as identified in the plans. This will be placed on a separator layer using 2” Type SP. This will be placed on a working platform using 12” of Type B Stabilization.
ENDNOTE

1. Concrete pavement is to be placed over Optional Base Group I Type B-12.5 only Asphalt Base as identified in the plans. This will be placed on a working platform using 12" of Type B Stabilization.

** Classification listed left to right in order of preference.

† See General Notes Nos. 4 & 5 for utilization of soils classified as organic material or muck.

** Certain types of A-2-4 material are likely to retain excess moisture and may be difficult to dry and compact. They should be used in the embankment above the water level existing at time of construction. They may be used in the subgrade portion of the roadway when approved by the District Materials Engineer. A-2-4 material placed below the existing water level must be nonplastic and contain less than 15% passing the No. 200 U.S. Standard sieve.

* For cut sections this dimension may be reduced to 74". For minor collectors and local facilities this dimension may be reduced to 18".

RIGID PAVEMENT - ASPHALT BASE OPTION
DIVIDED ROADWAYS

S, P

S+ Drainsedge

See Index 446-001

UNDIVIDED ROADWAY

S+ Drainsedge

See Index 446-001

SYMBOL | SOIL CLASSIFICATION (AASHTO M 145) | CLASSIFICATION

| S | Select | A-1, A-3, A-2-4 ** |
| S+ | Special Select | A-3 *** With Minimum Average Lab Permeability of 5x10^-6 cm/sec (0.14 ft./day) as per AASHTO T 155 |
| H | High Plastic | A-2-5, A-2-7, A-5 Or A-7 (ALL WITH LL>50) |
| M | Muck | A-8 |

Classification listed left to right in order of preference.

See General Notes Nos. 4 & 5 for utilization of soils classified as organic material or muck.

*** When allowed by the plans, some types of A-2-4 material may be approved in writing by the District Materials Engineer. This material must meet the minimum lab permeability requirement, be nonplastic, and not exceed 12% passing the No. 200 U.S. Standard sieve.

** Certain types of A-2-4 material are likely to retain excess moisture and may be difficult to dry and compact. They should be used in the embankment above the water level existing at time of construction. A-2-4 material placed below the existing water level must be nonplastic and contain less than 12% passing the No. 200 U.S. Standard sieve.

Note: SPECIAL SELECT SOIL OPTION may be used only when approved in writing by the District Materials Engineer and shown in the plans.

RIGID PAVEMENT - SPECIAL SELECT SOIL OPTION

Embankment Utilization

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REV IS IO N DESCRIPTION:

EMBANKMENT UTILIZATION

FY 2018-19

STANDARD PLANS

INDEX 120-001 SHEET 4 of 4